

## DECLARATION FOR PATENT APPLICATION (WITH POWER OF ATTORNEY)

As an inventor named below or on any attached continuation page, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHODS FOR PREPARING BALL GRID ARRAY SUBSTRATES VIA USE OF A LASER, the specification of which (check one):

is attached hereto  
 was filed on \_\_\_\_\_ as United States application serial no. \_\_\_\_\_ and was amended on \_\_\_\_\_  
 was filed on \_\_\_\_\_ as PCT international application no. \_\_\_\_\_ and was amended under PCT Article 19 on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to the patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and on any attached continuation page and have also identified below and on any attached continuation page any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America having a filing date before that of the application(s) on which priority is claimed.

Prior foreign/PCT application(s):

| Priority Claimed |           |                        |     |    |
|------------------|-----------|------------------------|-----|----|
| (number)         | (country) | (day/month/year filed) | Yes | No |
| (number)         | (country) | (day/month/year filed) | Yes | No |

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or § 365(c) of PCT international application(s) designating the United States of America listed below and on any attached continuation page and, insofar as the subject matter of each of the claims of this application is not disclosed in any such prior application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of such prior application and the national or PCT international filing date of this application:

|                          |               |                                           |
|--------------------------|---------------|-------------------------------------------|
| (application serial no.) | (filing date) | (status - pending, patented or abandoned) |
| (application serial no.) | (filing date) | (status - pending, patented or abandoned) |

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

|                               |               |
|-------------------------------|---------------|
| (provisional application no.) | (filing date) |
|-------------------------------|---------------|

I hereby appoint the following Registered Practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

David V. Trask, Reg. No. 22,012  
 Joseph A. Walkowski, Reg. No. 28,765  
 Edgar R. Cataxinos, Reg. No. 39,931  
 Kenneth B. Ludwig, Reg. No. 42,814  
 Krista Weber-Powell, Reg. No. P-47,867  
 Bradley B. Jensen, Reg. No. 46,801  
 Michael L. Lynch, Reg. No. 30,871

William S. Britt, Reg. No. 20,969  
 James R. Duzan, Reg. No. 28,393  
 Kent S. Birmingham, Reg. No. 30,453  
 Paul C. Oestreich, Reg. No. 44,983  
 Devin R. Jensen, Reg. No. 44,805  
 Jarett K. Abramson, Reg. No. P-47,376  
 Charles B. Brantley II, Reg. No. 38,086

Laurence B. Bond, Reg. No. 30,549  
 Allen C. Turner, Reg. No. 33,041  
 Brick G. Power, Reg. No. 38,581  
 David L. Stott, Reg. No. 43,937  
 Samuel E. Webb, Reg. No. 44,394  
 Katherine A. Hamer, Reg. No. P-47,628

Address all correspondence to:  
 James R. Duzan, telephone no. (801) 532-1922.  
**TRASK BRITT**  
**P.O. BOX 2550**  
**Salt Lake City, Utah 84110**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon

Full name of sole inventor: Frank L. Hall  
 Inventor's signature Frank L. Hall  
 Residence: Boise, Idaho  
 Citizenship: U.S.A  
 Post Office Address: 3947 S. Duston Place, Boise, Idaho 83706

Date 3 May 01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Frank L. Hall  
Serial No.: Not Yet Assigned  
Filed:  
Title: METHODS FOR PREPARING BALL GRID ARRAY SUBSTRATES VIA USE OF A LASER

Examiner: Unknown  
Group Art Unit: Unknown  
Attorney Docket No.: 4718US (00-0316)

POWER OF ATTORNEY BY ASSIGNEE  
AND CERTIFICATE UNDER 37 CFR § 3.73(b)

Commissioner for Patents  
Washington, D.C. 20231

Sir:

MICRON TECHNOLOGY, INC., assignee of the entire right, title and interest by assignment from the inventor(s) in the above-identified application, hereby appoints the following attorneys and agents:

|                                        |                                         |                                       |
|----------------------------------------|-----------------------------------------|---------------------------------------|
| David V. Trask, Reg. No. 22,012        | William S. Britt, Reg. No. 20,969       | Laurence B. Bond, Reg. No. 30,549     |
| Joseph A. Walkowski, Reg. No. 28,765   | James R. Duzan, Reg. No. 28,393         | Allen C. Turner, Reg. No. 33,041      |
| Edgar R. Cataxinos, Reg. No. 39,931    | Kent S. Birmingham, Reg. No. 30,453     | Brick G. Power, Reg. No. 38,581       |
| Kenneth B. Ludwig, Reg. No. 42,814     | Paul C. Oestreich, Reg. No. 44,983      | David L. Stott, Reg. No. 43,937       |
| Krista Weber-Powell, Reg. No. P-47,867 | Devin R. Jensen, Reg. No. 44,805        | Samuel E. Webb, Reg. No. 44,394       |
| Bradley B. Jensen, Reg. No. 46,801     | Jarett K. Abramson, Reg. No. P-47,376   | Katherine A. Hamer, Reg. No. P-47,628 |
| Michael L. Lynch, Reg. No. 30,871      | Charles B. Brantley II, Reg. No. 38,086 |                                       |

as its attorneys with full power of substitution to prosecute this application and all applications claiming filing date priority therefrom and to transact all business in the U.S. Patent and Trademark Office in connection therewith.

**The above-identified assignee hereby elects, pursuant to 37 C.F.R. § 3.71, to conduct the prosecution of the above-identified patent application to the exclusion of the inventor(s).**

A chain of title from the inventor(s) of the above-identified patent application to the above-identified assignee is shown.

In an assignment recorded in the U.S. Patent and Trademark Office at Reel , Frame .

In an assignment filed herewith for recordation, a true copy of which is attached hereto.

The undersigned has reviewed the above-identified assignment and, to the best of his knowledge and belief, title is in the above-identified assignee.

The undersigned further avers that he is empowered to make and sign the foregoing certification on behalf of the above-identified assignee, and to take the action set forth herein on its behalf.

Please direct all communications regarding the above-identified application to:

James R. Duzan,  
TRASK BRITT  
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Salt Lake City, UT 84110  
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Respectfully Submitted,

MICRON TECHNOLOGY, INC.

Date: 5-4-2007

By:   
Michael L. Lynch, Esq.  
Reg. No. 30,871  
Chief Patent Counsel,  
MICRON TECHNOLOGY, INC.